

GenCore version 5.1.4_p5-4578
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 00:05:17 : Search time 44.0155 Seconds

(Without alignments)
236,894 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34

Sequence: 1 aggcctcggaggaacccggtccaccatcccaact 34

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, NA:*

1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	34	100.0	1237	1	US-08-197-792-40 Sequence 40, Appl
2	34	100.0	1237	1	US-08-459-850-40 Sequence 40, Appl
3	34	100.0	1237	1	US-08-459-214-40 Sequence 40, Appl
4	24.4	71.8	1343	1	US-08-197-792-30 Sequence 30, Appl
5	24.4	71.8	1343	1	US-08-459-850-30 Sequence 30, Appl
6	24.4	71.8	1343	1	US-08-459-214-30 Sequence 30, Appl
7	20.2	59.4	1812	4	US-09-008-097-3 Sequence 3, Appl
8	20.2	59.4	1812	4	US-09-008-097-5 Sequence 5, Appl
9	20.2	59.4	1812	4	US-07-793-961A-1 Sequence 1, Appl
10	20.2	59.4	1812	4	US-08-240-357-1 Sequence 1, Appl
11	20.2	59.4	1812	4	US-08-726-214-11 Sequence 11, Appl
12	20.2	59.4	1812	4	US-09-474-076-1 Sequence 1, Appl
13	19	55.9	1500	1	US-08-704-398-1 Sequence 1, Appl
14	19	55.9	1500	5	PCT-US95-05966-1 Sequence 1, Appl
15	18.8	55.3	1376	4	US-09-443-184-44 Sequence 44, Appl
16	18.8	55.3	1376	4	PCT-US95-02795A-3 Sequence 3, Appl
17	18.6	54.7	521	1	US-08-481-638-1 Sequence 1, Appl
18	18.6	54.7	521	1	US-08-480-493A-1 Sequence 1, Appl
19	18.6	54.7	521	1	US-08-482-638A-1 Sequence 1, Appl
20	18.6	54.7	521	5	PCT-US95-02795A-1 Sequence 1, Appl
21	18.6	54.7	4473	3	US-08-894-173-1 Sequence 1, Appl
22	18.6	54.7	4473	4	US-09-398-193-1 Sequence 1, Appl
23	18.6	54.7	4473	4	US-09-146-053-6 Sequence 6, Appl
24	18.4	54.1	176	4	US-09-397-787-331 Sequence 31, Appl
25	18.4	54.1	613	2	US-08-658-639-11 Sequence 11, Appl
26	18.4	54.1	613	4	US-08-944-604-11 Sequence 11, Appl
27	18.4	54.1	903	4	US-08-944-604-15 Sequence 15, Appl

28	18.4	54.1	1607	4	US-09-853-768-13 Sequence 13, Appl
29	18.4	54.1	5852	4	US-09-853-768-10 Sequence 10, Appl
30	18.4	54.1	7037	4	US-09-853-768-3 Sequence 3, Appl
31	18.2	53.5	57	1	US-07-609-716-51 Sequence 51, Appl
32	18.2	53.5	57	1	US-07-609-716-52 Sequence 52, Appl
33	18.2	53.5	57	1	US-08-642-255-20 Sequence 20, Appl
34	18.2	53.5	57	3	US-08-473-411A-51 Sequence 51, Appl
35	18.2	53.5	57	3	US-08-473-411A-52 Sequence 52, Appl
36	18.2	53.5	57	4	US-08-478-029A-51 Sequence 51, Appl
37	18.2	53.5	57	4	US-08-478-029A-52 Sequence 52, Appl
38	18.2	53.5	123	1	US-07-609-716-58 Sequence 58, Appl
39	18.2	53.5	123	1	US-08-642-255-26 Sequence 26, Appl
40	18.2	53.5	123	3	US-08-473-411A-58 Sequence 58, Appl
41	18.2	53.5	123	4	US-08-478-029A-58 Sequence 58, Appl
42	18.2	53.5	186	1	US-07-609-716-62 Sequence 62, Appl
43	18.2	53.5	186	1	US-08-642-255-30 Sequence 30, Appl
44	18.2	53.5	186	3	US-08-475-411A-62 Sequence 62, Appl
45	18.2	53.5	186	4	US-08-478-029A-62 Sequence 62, Appl

ALIGNMENTS

RESULT 1
US-08-197-792-40
Sequence 40, Application US/08/97792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Tubb1n
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
SPREER: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/97792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/506729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2PD4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00042;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 34
|||||
Db 708 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 741

RESULT 2

US-08-459-850-40
Sequence 40, Application US/08459850
Patent No. 5665568

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00042;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 34
|||||
Db 708 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 741

RESULT 3

US-08-459-214-40
Sequence 40, Application US/08459214
Patent No. 5716810

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/98/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

```

:       TELEEX: 910/371-7168
:       INFORMATION FOR SEQ ID NO: 40:
:       SEQUENCE CHARACTERISTICS:
:       LENGTH: 1237 bases
:       TYPE: nucleic acid
:       STRANDEDNESS: single
:       TOPOLOGY: Linear
: US-08-459-214-40
:
Query Match              100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00042;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGAACCGGCGTGCACATGCCCACT 34
Db      708 AGGCTCCGAGAACCGGCGTGCACATGCCCACT 741

RESULT 4
US-08-197-792-30
: Sequence 30, Application US/08197792
: Patent No. 5525488
: GENERAL INFORMATION:
: APPLICANT: Anthony J. Mason
: APPLICANT: Peter H. Seeburg
: TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 460 Point San Bruno Blvd
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: 05/08/197,792
: FILING DATE: 16-FEB-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/958414
: FILING DATE: 08-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/744207
: FILING DATE: 12-AUG-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/215466
: FILING DATE: 05-JUL-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/906729
: FILING DATE: 31-DEC-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/827710
: FILING DATE: 07-FEB-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/783910
: FILING DATE: 03-OCT-1985
: ATTORNEY/AGENT INFORMATION:
: NAME: Hasak, Janet E.
: REGISTRATION NUMBER: 28,616
: REFERENCE/DOCKET NUMBER: 297P2D4
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415/225-1896
: TELEFAX: 415/952-9881
: TELEEX: 910/371-7168
: INFORMATION FOR SEQ ID NO: 30:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1343 bases
: TYPE: nucleic acid
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```

:       STRANDEDNESS: single
:       TOPOLOGY: Linear
: US-08-197-792-30
:
Query Match              71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.2;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGAACCGGCGTGCACATGCCCACT 44
Db      816 AGGCTCCGAGAACCGGCGTGCACATGCCCACT 849

RESULT 5
US-08-459-850-30
: Sequence 30, Application US/08459850
: Patent No. 5665568
: GENERAL INFORMATION:
: APPLICANT: Anthony J. Mason
: APPLICANT: Peter H. Seeburg
: TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
: TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 460 Point San Bruno Blvd
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: 05/08/459,850
: FILING DATE: 02-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/197792
: FILING DATE: 17-FEB-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/958414
: FILING DATE: 08-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/744207
: FILING DATE: 12-AUG-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/215466
: FILING DATE: 05-JUL-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/906729
: FILING DATE: 31-DEC-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/827710
: FILING DATE: 07-FEB-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/783910
: FILING DATE: 03-OCT-1985
: ATTORNEY/AGENT INFORMATION:
: NAME: Hasak, Janet E.
: REGISTRATION NUMBER: 28,616
: REFERENCE/DOCKET NUMBER: 297P2D5
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415/225-1896
: TELEFAX: 415/952-9881
: TELEEX: 910/371-7168
: INFORMATION FOR SEQ ID NO: 30:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1343 bases
: TYPE: nucleic acid
```

```

; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-459-850-30

Query Match
Best Local Similarity 82.4%; Score 24.4; DB 1; Length 1343;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAGAACCGGCTGCCATGCCACT 34
DB 816 AGGCCCCGGAGAGAACCCCTCTGTCAGCCGCACT 849

RESULT 6
US-08-459-214-30
; Sequence 30, Application US/08459214
; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1343 bases
; TYPE: nucleic acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-459-214-30

Query Match
Best Local Similarity 82.4%; Score 24.4; DB 1; Length 1343;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAGAACCGGCTGCCATGCCACT 34
DB 816 AGGCCCCGGAGAGAACCCCTCTGTCAGCCGCACT 849
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RESULT 7
US-09-008-097-3
; Sequence 3, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Melhua
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
; TITLE OF INVENTION: HEART FAILURE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FORRESTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dylan, Tyler M.
; REGISTRATION NUMBER: 37,612
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1812 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..1812
; OTHER INFORMATION:
; US-09-008-097-3
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Query Match
Best Local Similarity 75.8%; Score 20.2; DB 4; Length 1812;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GAGCTTCGGAGAGAACCGGCTGCCATGCCACT 34
DB 668 GAGTCCGAGAGAGCCGCGGCGGACATGCCACT 700
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RESULT 8
US-09-008-097-5
: Sequence 5, Application US/09008097
: Patent No. 6306830
: GENERAL INFORMATION:
: APPLICANT: Hammond, H. Kirk
: APPLICANT: Insel, Paul A.
: APPLICANT: Ping, Peipei
: APPLICANT: Post, Steven R.
: APPLICANT: Gao, Meihua
: TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
: HEART FAILURE
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 755 PAGE MILL ROAD
: CITY: PALO ALTO
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/008,097
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Dylan, Tyler M
: REGISTRATION NUMBER: 37,612
: REFERENCE/DOCKET NUMBER: 22000-20567.21
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-813-5600
: TELEFAX: 650-494-0792
: TELEX: 706141
: INFORMATION FOR SEQ. ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3549 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 1...3501
: OTHER INFORMATION:
: US-09-008-097-5

Query Match          59.4%; Score 20.2; DB 4; Length 3549;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      2  GGCTCGGAGAGACGGCTGCCCATGCCACT 34
Db      1301 GGCTCGGAGAGACGGCTGCCCATGCCACT 1333

RESULT 9
US-07-793-961A-1
: Sequence 1, Application US/07793961A
: Patent No. 5334521
: GENERAL INFORMATION:
: APPLICANT: Yoshihiro Ishikawa
: TITLE OF INVENTION: Cloning and Character-
: TITLE OF INVENTION: ization of a Cardiac Adenyllyl Cyclase
: NUMBER OF SEQUENCES: 1
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Alan M. Gordon

```

```

: ADDRESSEE: American Cyanamid Company
: STREET: 1937 West Main Street,
: STREET: P.O. Box 60
: CITY: Stamford
: STATE: Connecticut
: COUNTRY: USA
: ZIP: 06904
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy Disk
: COMPUTER: IBM PC AT
: OPERATING SYSTEM: MS-DOS
: SOFTWARE: ASCII from IBM4
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/793,961A
: FILING DATE: 19911118
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Gordon, Alan M.
: REGISTRATION NUMBER: 30,637
: REFERENCE/DOCKET NUMBER: 31,705
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 203 321 2719
: TELEFAX: 203 321 2971
: TELEX:
: INFORMATION FOR SEQ. ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4046 base pairs listed
: TYPE: NUCLEIC ACID
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-07-793-961A-1

Query Match          59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      2  GGCTCGGAGAGACGGCTGCCCATGCCACT 34
Db      1428 GGCTCGGAGAGACGGCTGCCCATGCCACT 1460

RESULT 10
US-08-240-357-1
: Sequence 1, Application US/08240357
: Patent No. 5578481
: GENERAL INFORMATION:
: APPLICANT: Ishikawa, Yoshihiro
: TITLE OF INVENTION: Cloning and Characterization of a
: TITLE OF INVENTION: Cardiac Adenyllyl Cyclase
: NUMBER OF SEQUENCES: 2
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: American Cyanamid Company
: STREET: One Cyanamid Plaza
: CITY: Wayne
: STATE: New Jersey
: COUNTRY: USA
: ZIP: 07470-8426
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/240,357
: FILING DATE: 10-MAY-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Gordon, Alan M.
: REGISTRATION NUMBER: 30,637

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: REFERENCE/DOCKET NUMBER: 31,705-01
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 201-831-3244
: TELEFAX: 201-831-3305
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4046 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 131..3625
: US-08-240-357-1

Query Match      59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY      2 GGCTCGGAGGACCGGCTGCCATGCCACT 34
Db      1428 GGCTCGGAGGACCGGCGGACGACCATGCCACT 1460

RESULT 11
US-08-726-214-11
: Sequence 11, Application US/08726214
: Patent No. 6107076
: GENERAL INFORMATION:
: APPLICANT: Tang, Wei-Jen
: APPLICANT: Gilman, Alfred G.
: TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE
: TITLE OF INVENTION: AND USES THEREFOR
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Durkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: Texas
: COUNTRY: United States of America
: ZIP: 77210
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/726,214
: FILING DATE: Concurrently Herewith
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/005,498
: FILING DATE: 04-OCT-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Highlander, Steven L.
: REGISTRATION NUMBER: 37,642
: REFERENCE/DOCKET NUMBER: USID:450
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (512) 418-3000
: TELEFAX: (512) 474-7577
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4131 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-726-214-11

Query Match      59.4%; Score 20.2; DB 3; Length 4131;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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OY      2 GGCTCGGAGGACCGGCTGCCATGCCACT 34
Db      1353 GGCTCGGAGGACCGGCGGACGACCATGCCACT 1385

RESULT 12
US-09-474-076-1
: Sequence 1, Application US/09474076
: Patent No. 6465237
: GENERAL INFORMATION:
: APPLICANT: Tomlinson, James E.
: APPLICANT: COR Therapeutics, Inc.
: TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
: TITLE OF INVENTION: CYCLASE
: FILE REFERENCE: 44481-5028-01-US
: CURRENT APPLICATION NUMBER: US/09/474,076
: PRIOR FILING DATE: 1999-12-12
: PRIOR APPLICATION NUMBER: PCT/US98/13694
: PRIOR FILING DATE: 1998-07-01
: PRIOR APPLICATION NUMBER: 60/070,904
: PRIOR FILING DATE: 1997-07-01
: PRIOR APPLICATION NUMBER: 08/886,550
: PRIOR FILING DATE: 1997-07-01
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1
: LENGTH: 4942
: TYPE: DNA
: ORGANISM: human type VI adenylyl cyclase
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (145)..(3648)
: US-09-474-076-1

Query Match      59.4%; Score 20.2; DB 4; Length 4942;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY      2 GGCTCGGAGGACCGGCTGCCATGCCACT 34
Db      1448 GGCTCGGAGGACCGGCGGACGACCATGCCACT 1480

RESULT 13
US-08-704-398-1
: Sequence 1, Application US/08704398
: Patent No. 5679525
: GENERAL INFORMATION:
: APPLICANT: Peterson, Michael G
: APPLICANT: Henkel, Thomas
: TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
: TITLE OF INVENTION: BINDING ASSAY
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: FLEHR, HOHACH, TEST, ALBERTSON & HERBERT
: STREET: 4 Embarcadero Center, Suite 3400
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-4187
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/704,398
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/246,977
: FILING DATE: 20-MAY-1994
: ATTORNEY/AGENT INFORMATION:
```

NAME: Osman, Richard A
 REGISTRATION NUMBER: 36,627
 REFERENCE/DOCKET NUMBER: A-59233/RAO
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 781-1989
 TELEFAX: (415) 398-3249
 TELEX: 910 277299
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1500 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1500
 US-08-704-398-1

Query Match 55.9%; Score 19; DB 1; Length 1500;
 Best Local Similarity 81.5%; Pred. No. 1,1e+02;
 Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 3 GCGTCGGAGAGACCGCTGCCCATGC 29
 ||| ||||| ||||| ||||| |||||
 Db 21 GCGCGGAGAGACCGCTGCCCATGC 47

RESULT 14

PCT-US95-05966-1

Sequence 1, Application PC/TUS9505966

GENERAL INFORMATION:

APPLICANT: TULARIK, INC.

TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR

TITLE OF INVENTION: BINDING ASSAY

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/05966

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/246,977

FILING DATE: 20-MAY-1994

ATTORNEY/AGENT INFORMATION:

NAME: Osman, Richard A

REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: EP-59233-PC/RAO

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1500 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1500

PCT-US95-05966-1

Query Match 55.9%; Score 19; DB 5; Length 1500;
 Best Local Similarity 81.5%; Pred. No. 1,1e+02;
 Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 3 GCGTCGGAGAGACCGCTGCCCATGC 29
 ||| ||||| ||||| ||||| |||||
 Db 21 GCGCGGAGAGACCGCTGCCCATGC 47

RESULT 15

US-09-443-184-44

Sequence 44, Application US/09443184A

Patent No. 6372431

GENERAL INFORMATION:

APPLICANT: Cunningham, Mary Jane

APPLICANT: Zweiger, Gary

APPLICANT: Kaser, Matthew R.

APPLICANT: Panzer, Scott

APPLICANT: Seilhammer, Jeffrey J.

APPLICANT: Yue, Henry

APPLICANT: Baughn, Mariah

APPLICANT: Azimzal, Yalda

APPLICANT: Lal, Preeti

FILE REFERENCE: PC-0007 US

CURRENT APPLICATION NUMBER: US/09/443,184A

CURRENT FILING DATE: 1999-11-19

NUMBER OF SEQ ID NOS: 138

SOFTWARE: PERL Program

SEQ ID NO 44

LENGTH: 1376

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6372431 1461451CB1

US-09-443-184-44

Query Match 55.3%; Score 18.8; DB 4; Length 1376;
 Best Local Similarity 76.7%; Pred. No. 1,3e+02;
 Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 5 CTCGAGAGACCGCTGCTATGTCATG 44
 ||| ||||| ||||| ||||| |||||
 Db 929 CCGGAGAGACCGCTGCTGTCATG 958

Search completed: March 11, 2003, 10:28:56
 Job time : 47.0155 secs